



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

### LAKE ERIE

LEZ444	Mi Waters Of Lake Erie								
2 W Monroe Harbor	21	1321EST			0	0			Marine Tstm Wind (G35)

### LAKE HURON

LHZ422	Inner Saginaw Bay & Sw Of Pt Au Gres To Bay Port Mi								
Saginaw River Mouth	21	1130EST			0	0			Marine Tstm Wind (G38)

### LAKE ST CLAIR

LCZ422	St Clair River								
City Of St. Clair	17	1345EST			0	0			Marine Hail (0.75)
LCZ423	Detroit River								
3 W Grosse Ile	17	1350EST			0	0			Marine Hail (0.75)
LCZ460	Lake St Clair (U.S. Portion)								
12 W Metropolitan Beach	17	1850EST			0	0			Marine Tstm Wind (G40)
LCZ423	Detroit River								
4 NW Belle Isle	21	1320EST			0	0			Marine Hail (0.88)
LCZ460	Lake St Clair (U.S. Portion)								
4 W Grosse Pointe	21	1320EST			0	0			Marine Hail (0.88)
LCZ460	Lake St Clair (U.S. Portion)								
New Baltimore	26	1630EST			0	0			Marine Tstm Wind (G35)
LCZ422	St Clair River								
8 NW Algonac	26	1630EST			0	0			Marine Tstm Wind (G35)

### MICHIGAN, East

Livingston County									
Brighton	14	1540EST			0	0			Hail(0.75)

Oakland County									
1 N South Lyon	14	1615EST			0	0			Hail(0.75)

An upper level low pressure system moved across the Great Lakes region on the 14th. Cold air aloft associated with this system caused scattered thunderstorms across eastern Michigan during the afternoon and early evening hours. The strongest storms produced large hail.

St. Clair County									
St Clair	17	1343EST			0	0			Hail(0.75)

St. Clair County									
St Clair	17	1345EST			0	0			Hail(0.75)

Wayne County									
Flat Rock	17	1450EST			0	0			Hail(0.75)

Saginaw County									
Fenmore	17	1605EST			0	0			Hail(0.75)

Shiawassee County									
Henderson	17	1625EST			0	0			Hail(0.75)

Lapeer County									
3 S North Branch	17	1630EST			0	0			Hail(0.75)

Bay County									
7 W Linwood	17	1638EST			0	0			Hail(0.75)



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<b><u>MICHIGAN, East</u></b>									
Tuscola County 1 S Akron	17	1659EST			0	0			Hail(0.75)
Tuscola County Caro	17	1710EST			0	0			Hail(0.75)
Tuscola County Kingston	17	1735EST			0	0			Hail(0.75)
Lapeer County North Branch	17	1743EST			0	0			Hail(0.75)
St. Clair County Smiths Creek	17	1750EST			0	0			Hail(0.75)
St. Clair County 4 NW St Clair	17	1805EST			0	0			Hail(0.75)
Oakland County Ortonville	17	1846EST			0	0	30K		Lightning
A newspaper reported that lightning struck a home in Brandon Township near Ortonville. The lightning hit the garage and set it on fire. No injuries were reported.									
Macomb County Sterling Hgts	17	1847EST			0	0			Hail(0.75)
An upper level disturbance interacting with cold air aloft caused numerous thunderstorms to develop across eastern Michigan during the afternoon and early evening on the 17th. Large hail was associated with many of these storms. Most of the strongest storms developed near Lakes Huron and Erie due to added convergence along lake breeze boundaries									
Tuscola County Millington	21	1136EST			0	0			Hail(0.75)
Lenawee County Adrian	21	1250EST 1350EST			0	0			Flash Flood
Law enforcement reported 3 to 4 feet of water over roads on the east side of Adrian.									
Lenawee County 5 SE Adrian	21	1300EST			0	0			Lightning
Lightning struck a home in Palmyra Township. No damage was reported.									
Lenawee County 3 S Tecumseh	21	1300EST			0	0	150K		Lightning
Lightning struck a home and set it on fire. The home sustained serious damage from the fire.									
Monroe County Maybee	21	1310EST			0	0			Thunderstorm Wind (G51) <sup>M</sup>
A wind gust to 60 MPH was measured by a spotter. The spotter also reported that a few large trees had been blown down.									
Washtenaw County Whittaker	21	1310EST			0	0			Hail(1.00)
Wayne County Hamtramck	21	1320EST			0	0			Hail(0.88)
Wayne County 2 S Taylor	21	1335EST 1435EST			0	0	50K		Flash Flood
The general public reported water covering a residential neighborhood about a foot deep. Water was estimated to have collected to a depth of 8 to 10 feet beneath overpasses. The Southland Mall closed after high water swamped parking lots and caused several vehicles to overturn.									



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### MICHIGAN, East

#### Wayne County

2 S Taylor

21

1335EST

0

0

Hail(0.75)

#### Wayne County

Southgate

21

1338EST  
1438EST

0

0

Flash Flood

A newsreported reported that an estimated 30 city streets were flooded by heavy thunderstorm rains

#### Wayne County

Southgate

21

1338EST

0

0

Thunderstorm Wind (G52)

Hundreds of trees were damaged by thunderstorm winds.

#### Wayne County

Southgate

21

1338EST

0

0

Thunderstorm Wind (G50)

Several electrical poles were blown over by thunderstorm winds on Fort Street.

#### Wayne County

Wyandotte

21

1341EST

0

0

Hail(1.00)

#### Wayne County

Wyandotte

21

1341EST

0

0

Thunderstorm Wind (G50)

A spotter reported numerous trees blown down.

#### Monroe County

Milan

21

1400EST  
1500EST

0

0

Flash Flood

Law enforcement reported around a foot of standing water over roadways.

Very warm and humid air, combined with several weak frontal boundaries across the region, allowed scattered thunderstorms to develop during the afternoon of the 21st. Some of these storms produced hail and very heavy rainfall. Slow storm movement and the intense rainfall led to flooding in some locations. The most persistent heavy rainfall occurred from Adrian to Monroe to the southern suburbs of Detroit, where rainfall rates of 2 inches per hour were reported.

#### Sanilac County

Decker

22

0510EST

0

0

Thunderstorm Wind (G50)

Trained spotters reported numerous tree limbs ranging from 3 to 9 inches in diameter were broken off trees due to thunderstorm winds.

#### Sanilac County

4 S Sandusky

22

0539EST

0

0

30K

Lightning

Lightning struck a barn in Watertown Township and set it on fire.

#### Sanilac County

2 SW Sandusky

22

0540EST

0

0

5K

Lightning

Lightning struck a barn and caused minor damage.

#### Washtenaw County

9 S Ypsilanti

22

1500EST

0

0

Hail(0.75)

#### Midland County

10 W Midland

22

1700EST

0

0

5K

Lightning

Lightning struck an oak tree. Parts of the tree landed on a trailer and caused minor damage

#### Genesee County

Otisville

22

1800EST

0

0

Thunderstorm Wind (G50)

Trained spotters reported that thunderstorm winds blew several large tree limbs down.

Thunderstorms developed early in the morning along a frontal boundary that extended from central Lower Michigan across the thumb. The strongest storms during the morning occurred in Sanilac county. Although the front exited the region later in the morning, a warm and humid airmass led to additional thunderstorm development during the afternoon across eastern Michigan. A few of these storms produced large hail and damaging winds. The storms also caused hundreds of power outages throughout eastern Michigan.



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<b><u>MICHIGAN, East</u></b>									
<b>Shiawassee County</b> <b>Owosso</b>	25	1746EST			0	0			Hail(1.75)
<b>Shiawassee County</b> <b>1 N Corunna</b>	25	1750EST			0	0			Thunderstorm Wind (G50)
Spotters reported several trees and telephone poles blown down									
<b>Macomb County</b> <b>2 E Romeo</b>	25	1800EST			0	0			Thunderstorm Wind (G50)
Numerous trees were blown down by a thunderstorm.									
<b>Washtenaw County</b> <b>4 NE Dexter</b>	25	1900EST			0	0	10K		Thunderstorm Wind (G50)
Several trees were blown down. One landed on a house.									
<b>Oakland County</b> <b>2 S Leonard</b>	25	2000EST			0	0			Thunderstorm Wind (G50)
The Addison Township fire department reported that several trees had blown down in thunderstorm winds									
<b>Macomb County</b> <b>4 NW Romeo</b>	25	2015EST			0	0			Thunderstorm Wind (G50)
Several trees were blown down in a thunderstorm.									
Thunderstorms developed during the afternoon and evening hours across the state. A warm and humid airmass, combined with a weak upper level disturbance, allowed the storms to develop. Some of the storms that developed produced severe wind gusts									
<b>Macomb County</b> <b>Sterling Hgts</b>	26	1625EST			0	0			Thunderstorm Wind (G50)
Law enforcement reported several large tree limbs and power lines blown down in thunderstorm winds.									
<b>Wayne County</b> <b>Detroit</b>	26	1700EST			0	0	10K		Thunderstorm Wind (G52)
Broadcast media reported some trees blown down and a roof partially blown off due to thunderstorm winds.									
Scattered thunderstorms developed due to a warm and humid airmass and convergence along lake breeze fronts and a surface trough. A couple of these storms produced severe wind gusts.									
<b>MIZ069</b>									
<b>Oakland</b>	28	1720EST			2	0			Excessive Heat
A 10 month old girl and her 3-year old brother died after being left along in a closed car in Southfield. Temperatures that day were in the 90s while the children were left in the car. They were in the car approximately 3 hours and died from the extreme heat. M3VE, FIVE									